

840/1
INFORMATION AND
COMMUNICATIONS
TECHNOLOGY (ICT)
Paper 1
July/August 2025
2¼ hours



KABS ICT RESOURCES CENTER

Uganda Certificate of Education

INFORMATION AND COMMUNICATIONS TECHNOLOGY

Paper 1

Theory

2 hour 15 minutes

INSTRUCTIONS TO CANDIDATES:

*This paper consists of **two** sections; **A** and **B**. It has **five** examination items.*

*Section **A** has **one** compulsory item.*

*Section **B** has **two** parts; **I** and **II**. Answer **one** item from each part.*

*Answer **three** examination items in all.*

*Any additional item(s) answered will **not** be scored.*

***All** answers **must** be written in the answer booklet(s) provided.*

SECTION A

Element of Construct - 1: Appreciates and manages the computer system - (TEST ITEM-1)

a) T1 -Introduction to ICT

- ✓ Explains the concept of ICT and related terminologies
- ✓ Knows the common ICT tools and their use in various fields
- ✓ Uses various ICT tools
- ✓ Appreciates the safety precautions for the different ICT tools

b) T2 -Computer Hardware and System startup

- ✓ knows the physical devices of a computer system and how each operates.
- ✓ b. assembles a computer system.
- ✓ c. safely starts and shuts down a computer system.
- ✓ d. uses computer peripheral tools

c)T9 -Word Processing II

- ✓ explains the effects of various advanced tools and features of a word processor

d)T10 -Spreadsheets II

- ✓ explains the effects of various advanced tools and features of a spreadsheet

e) T12 - Database Management System

- ✓ explains the concept of databases.

f) T15 -Basic Software Management

- ✓ explains the various categories of software.
- ✓ describes the functions of software on a computer system.
- ✓ manages (Install/Uninstall) various software categories on a computer system.

g) T16 -System and data security

- ✓ describes ethical practices while using ICTs

Compulsory – Answer this item

ITEM 1

Kato runs a small agricultural produce store in his town. He keeps records of supplier deliveries, customer orders, and daily sales using notebooks and calculators. Recently, he has faced challenges such as misplaced records, delayed calculations, and difficulty tracking stock levels issues that are beginning to affect his business performance. A friend suggested that digital systems could help him organize his work better.

Kato is open to the idea but is unsure which ICT tools would suit his store. He is also concerned about how to keep business information safe and how to ensure that any digital tools he adopts remain reliable and secure over time.

Task:

Prepare a write-up explaining how Kato can overcome the challenges in his business and improve his operations through more efficient methods.

SECTION B

PART I

Element of Construct - 2: Appreciates ICT safety and proper management of e-waste - (ITEMs - 2 &3)

a) T8 -Health and Safety

- ✓ analyses common health problems associated with prolonged use of computers (eye strain, back pains, RSI).
- ✓ explains possible ways to avoid each of the health problems associated with use of ICTs.
- ✓ communicates information on health and safety measures of using a computer

b) T14 -Electronic Waste management

- ✓ explains the meaning of E- Waste management.

- ✓ applies different approaches in managing electronic waste.
- ✓ identifies key stakeholders and their roles in e-waste management.

c) T16 -System and data security

- ✓ explains the concept of computer security,
- ✓ secures computer systems against attacks

d) T7 - Information Access and Sharing

- ✓ explains safety practices while using the internet (netiquette)

Answer only **One** item from this part

ITEM 2

A company deals in used computers and supplies them to a number of institutions. One of the institutions that buys computer from the company, has complained of frequent breakdown of the computers received. Those that cannot be repaired are either locked away in a store or dumped in open spaces around the institution. Some learners continue to tamper with these machines out of curiosity, raising concerns about information security. Meanwhile, the institution has a high workload, and most users spend long hours on the computers. As a result, several of them have reported discomfort and possible health concerns. The administration is now seeking guidance on how to handle these ICT-related challenges more responsibly.

Task:

(a) Advise the institution on how to manage the unusable computer equipment and identify the stakeholder involved.

(b) Sensitize users on the possible causes of the ill health or discomfort and suggest possible solutions.

● ITEM 3

A secondary school recently experienced a break-in in which several computers and network devices were stolen from the ICT lab. Other parts, including keyboards and hard drives, were left broken and scattered on the floor. Behind the lab, two old computers that once served as file servers were found covered in dust and no longer functional due to failed power supplies. The thieves had opened the cases and taken the hard drives. The laboratory attendant later dumped the remaining damaged parts outside the lab.

As the school begins to replace stolen devices, the administration is concerned about ICT equipment safety, the careless disposal of damaged parts, and the risk of sensitive information falling into the wrong hands.

Task:

- (a) Explain the likely causes of the incident and suggest measures to prevent future ICT-related theft and damage.
- (b) Advise the school on how to properly manage the damaged equipment and avoid creating harmful e-waste in the environment.

✓ PART II

Element of Construct -3: (ITEMs - 4 & 5): Accesses, stores and shares information using ICTs.

a) T3 -File and Folder management

- ✓ uses the different types of storage media to create, save and transfer files.
- ✓ converts units for data storage

b) T7 - Information access and sharing

- ✓ uses online and on offline platforms to search for information.
- ✓ uses various ICT tools to share information.

c) T11 -Electronic Publications

- ✓ explains the concept of electronic publishing

d) T13 -Web Design

- ✓ Explains the concept of web design

Answer only **One** item from this part

● ITEM 4

Kevin, a Senior Four student, saw a bursary advert on the website of an NGO that supports needy learners. The advert explains that eligible applicants must be continuing students who demonstrate good academic performance and genuine financial need. His application requires a **recent report card** and a **recommendation letter from the Headteacher**. He is also expected to **download a form from the NGO's website**, fill it digitally, and **email everything to bursaries@hopeuganda.org** before the deadline.

Kevin has never done such an application before. He is unsure about how to access the form, prepare the required documents, or complete the submission. He has approached you for help.

Task:

Write a step-by-step guide that Kevin can follow to complete and submit the bursary application online successfully.

● ITEM 5

A women's SACCO in your district has received a notice from the District Commercial Office asking them to submit an updated list of their registered members. The list must include each member's name, phone number, amount saved, and any outstanding loan balance. The notice also states that the SACCO must **download a standard form from the District Development website**, fill in the member details accurately, and then **submit the completed form through the same website** before the deadline.

The SACCO chairperson has never done such a task online and does not know how to proceed. She has approached you for guidance.

Task:

Write a step-by-step guide that the SACCO chairperson can follow to complete and submit the member data form through the District Development website successfully.

END